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1 [Failure diagnosis with incomplete information in cable networks](#)

 Yun Mao, Hani Jamjoom, Shu Tao
 December 2006 CoNEXT '06: Proceedings of the 2006 ACM CoNEXT conference
 Publisher: ACM

 Full text available: pdf(142.86 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

Cable network has become one of the most popular ways of high-speed Internet access for homes and small businesses. For broadband cable providers, managing their large-scale network infrastructure is highly challenging because these networks are geographically ...

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2 [User-level internet path diagnosis](#)

 Ratul Mahajan, Neil Spring, David Wetherall, Thomas Anderson
 December 2003 ACM SIGOPS Operating Systems Review, Volume 37 Issue 5
 Publisher: ACM

 Full text available: pdf(403.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 99, Citation Count: 20

Diagnosing faults in the Internet is arduous and time-consuming, in part because the network is composed of diverse components spread across many administrative domains. We consider an extreme form of this problem: can end users, with no special privileges, ...

Key words: measurement tools, path diagnosis

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3 [User-level internet path diagnosis](#)

 Ratul Mahajan, Neil Spring, David Wetherall, Thomas Anderson
 October 2003 SOSP '03: Proceedings of the nineteenth ACM symposium on Operating systems principles
 Publisher: ACM

 Full text available: pdf(403.57 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

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4 [Networkmd: topology inference and failure diagnosis in the last mile](#)

Yun Mao, Hani Jamjoom, Shu Tao, Jonathan M. Smith



October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet measurement
Publisher: ACM

Full text available: pdf(587.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 46, Citation Count: 0

Health monitoring, automated failure localization and diagnosis have all become critical to service providers of large distribution networks (*e.g.*, digital cable and fiber-to-the-home), due to the increases in scale and complexity of their offered ...

Keyw ords: failure diagnosis, network topology inference

5 [WiFiProfiler: cooperative diagnosis in wireless LANs](#)



Ranveer Chandra, Venkata N. Padmanabhan, Ming Zhang

June 2006 MobiSys '06: Proceedings of the 4th international conference on Mobile systems, applications and services

Publisher: ACM

Full text available: pdf(404.12 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 121, Citation Count: 1

While 802.11-based wireless hotspots are proliferating, users often have little recourse when the network does not work or performs poorly *for them*. They are left trying to manually debug the problem, which can be a frustrating and disruptive ...

Keyw ords: 802.11, fault diagnosis, peer-to-peer performance problems, wireless networks

6 [Monarch: a tool to emulate transport protocol flowover the internet at large](#)



Andreas Haeberlen, Marcel Dischinger, Krishna P. Gummadi, Stefan Saroiu

October 2006 IMC '06: Proceedings of the 6th ACM SIGCOMM conference on Internet measurement

Publisher: ACM

Full text available: pdf(816.18 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 42, Citation Count: 0

This paper proposes Monarch, a novel tool that accurately emulates transport protocol flows from an end host controlled by its user to any other Internet host that responds to simple TCP, UDP, or ICMP packet probes. Since many Internet hosts and routers ...

Keyw ords: emulation, network measurement, transport protocols

7 [Redundancy in model specifications for discrete event simulation](#)



Richard E. Nance, C. Michael Overstreet, Ernest H. Page

July 1999 ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 9 Issue 3

Publisher: ACM

Full text available: pdf(296.90 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 38, Citation Count: 4

Although redundancy in model specification generally has negative connotations, we offer arguments for revising those convictions. Defining "representational redundancy" as the inclusion of any symbols not required to fulfill the study objectives, ...

Keyw ords: discrete event simulation, model analysis, model development environment, uses of redundancy

8 [Characterizing residential broadband networks](#)



Marcel Dischinger, Andreas Haeberlen, Krishna P. Gummadi, Stefan Saroiu

October 2007 IMC '07: Proceedings of the 7th ACM SIGCOMM conference on Internet measurement

Publisher: ACM

Full text available: pdf(728.98 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 161, Citation Count: 0

A large and rapidly growing proportion of users connect to the Internet via residential broadband networks such as Digital Subscriber Lines (DSL) and cable. Residential networks are often the bottleneck in the last mile of today's Internet. Their characteristics ...

Keywords: broadband access networks, cable, dsl, network measurement

9 [Network and service management for wide-area electronic commerce networks](#)

Symeon Papavassiliou

March 2001 International Journal of Network Management, Volume 11 Issue 2

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(416.91 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 98, Citation Count: 0

This paper focuses on the effective management of wide-area electronic commerce networks supporting services and applications that require high availability and reliability as well as fast reconstitution time, in the event of failures. Copyright ...

10 [Proceedings of the conference on Design, automation and test in Europe](#)

Rudy Lauwereins, Jan Madsen

April 2007 proceeding

Publisher: EDA Consortium

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the DATE 07 Conference Proceedings. DATE combines the world's leading electronic systems design conference and Europe's leading international exhibition for electronic design, automation and test, from system level hardware and software implementation ...

11 [COTS: size does matter](#)

George Nikandros

October 2004 SCS '04: Proceedings of the 9th Australian workshop on Safety critical systems and software - Volume 47, Volume 47

Publisher: Australian Computer Society, Inc.

Full text available:  pdf(201.00 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 18, Citation Count: 0

Railways, like a lot of industries are becoming increasingly reliant on programmable technology for safety. The development of railway technology is however largely driven through market forces and, given the complexity and cost of developing and certifying ...

Keywords: COTS, axle counter, obsolescence, railway signalling

12 [A distributed networking system for multimedia internet access service using ATM over ADSL](#)

Daniel Won-Kyu Hong, Choong Seon Hong

November 2004 International Journal of Network Management, Volume 14 Issue 6

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(608.19 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 90, Citation Count: 0

This paper proposes a distributed networking system architecture for Internet-access service provision using ATM over xDSL technology. We describe the hierarchical network model in deploying ADSL services across the ATM access networks, which can easily ...

13 [Training help desk students: the never ending task](#)



Jerry Martin

November 1999 SI GUCCS '99: Proceedings of the 27th annual ACM SIGUCCS conference on User services: Mile high expectations

Publisher: ACM

Full text available: [pdf\(48.97 KB\)](#) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 44, Citation Count: 0

Keywords: help desk, students, training

14 [Computer-based decision-making: three maxims](#)



Jeff Robbins

November 1995 Crossroads, Volume 2 Issue 2

Publisher: ACM

Full text available: [pdf\(41.44 KB\)](#) [html\(32.07 KB\)](#) Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

15 [From service configuration through performance monitoring to fault detection: implementing an integrated and automated network maintenance platform for enhancing wide area transaction access services](#)

Symeon Papavassiliou, Mike Pace

September 2000 International Journal of Network Management, Volume 10 Issue 5

Publisher: John Wiley & Sons, Inc.

Full text available: [pdf\(961.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 91, Citation Count: 0

The design and implementation of integrated and automated network-service management platforms that can seamlessly configure services, monitor service-network performance, and detect network faults are of great importance and interest to ...

16 [A unique experiential model for teaching network administration](#)



Sylvia Perez-Hardy

October 2003 CI TC4 '03: Proceedings of the 4th conference on Information technology curriculum

Publisher: ACM

Full text available: [pdf\(156.22 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 27, Citation Count: 2

We have moved from teaching networking in a purely theoretical manner using lecture and paper exercises to a lab-based approach. This serves to illustrate and reinforce the theory imparted to the students in lecture and through readings. But not all ...

Keywords: administration laboratory, exploratory, network

17 [Requirements and design spaces of mobile medical care](#)



Prajakta Kulkarni, Yusuf Öztürk

July 2007 ACM SIGMOBILE Mobile Computing and Communications Review, Volume 11 Issue 3

Publisher: ACM

Full text available: [pdf\(746.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 70, Downloads (12 Months): 363, Citation Count: 0

Pervasive care and chronic disease management to reduce institutionalization is a priority for most

western countries. The realization of next generation ubiquitous and pervasive healthcare systems will be a challenging task, as these systems are likely ...

18 [Designing for transformations in collaboration: a study of the deployment of homecare technology](#)



Jakob E. Bardram, Claus Bossen, Anders Thomsen

November 2005 GROUP '05: Proceedings of the 2005 international ACM SIGGROUP conference on Supporting group work

Publisher: ACM

Full text available: pdf(855.99 KB)

[Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 204, Citation Count: 0

Transformations in collaborative work due to the introduction of new technology are inevitable, but are often difficult to study. In this paper, we consider the patterns of transformation that are seen in a patient-physician relationship based on the ...

Keywords: activity theory, groupware design, healthcare, homecare, hypertension, monitoring, transformation

19 [A study of web usability for older adults seeking online health resources](#)



Shirley Ann Becker

December 2004 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 11 Issue 4

Publisher: ACM

Full text available: pdf(134.25 KB)

[Additional Information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 687, Citation Count: 2

The Web offers older adult users immediate access to health resources that might not otherwise be available. Older adult users, however, may encounter Web barriers associated with normal aging and lower education. The National Institute on Aging Web ...

Keywords: Aging, Web design, Web download time, Web usability, content accessibility, health literacy, older adults, user interfaces

20 [Broadband internet network management software platform and systems in KT](#)

Jae-Hyoung Yoo

November 2006 International Journal of Network Management, Volume 16 Issue 6

Publisher: John Wiley & Sons, Inc.

Full text available: pdf(999.62 KB)

[Additional Information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 149, Citation Count: 0

The high penetration rate of Internet access services in Korea has created an operational environment that is different from those of other countries, and thus the level of customer needs takes on different aspects. To meet the operational environment, ...

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